



Flash-Spun technology for crop protection

**Reflective mulch,
fruit protection and sunshades
in single-material HDPE**

KRONO Global · Exclusive distribution in Spain



→ Let's explore its
application in the field together

One material, multiple applications in the field

Flash-spun HDPE material

Properties declared by the manufacturer. D503: microbial barrier.



Material properties



Diffuse light reflection



Water resistance



Air permeability



Lightweight



Mechanical strength



Applications



Reflective
mulch
· D702



Fruit protection
bag · D503



Individual
sunshade
· D701



Waterproof
cover



In viticulture: bird protection bags and preservation.



Suitability for each application is defined with the grower according to the crop and local conditions.

Potential value for the crop



Light and microclimate management

Diffuse reflection towards the lower zone. Reflectance measured to ASTM E1164.



Fruit and crop protection

A physical barrier that may help reduce damage from external factors.



Use across more than one growing season

Designed for more than one growing season. Durability in Spain will be validated in the field.



Single-material HDPE

Single-material HDPE: an alternative to multilayer, easier to manage at the end of its service life.



Use case: vineyards and Mediterranean crops

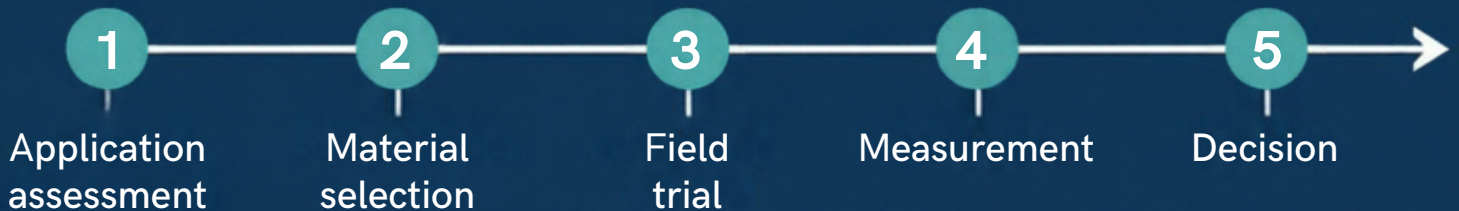
Reflective material supports crop management. Its application is defined according to the crop, training system and local conditions.

Potential effects on ripening, temperature, humidity, pests and yield require trials specific to the crop and local conditions.



Observe, measure and learn before scaling up.

From idea to field



KRONO connects the manufacturer, distributors and growers to design a relevant trial.

Material and logistics coordination · Support with trial design and measurement · Local contact in Valencia.

Request samples or propose a pilot plot.
Distributors: let's talk about your area.
Technical dossier available on request.

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Flash-Spun technology developed and manufactured by Dawnsens® (Xiamen, China, 2016), recognised as a National High-Tech Enterprise.
Properties and applications based on Dawnsens documentation. Agricultural photographs: Dawnsens.
Agronomic performance subject to local validation.